

**AMENDMENTS TO THE CLAIMS**

1. (Original) A method of determining interference at a first base station located in a first cell from transceivers operating in a remote cell, said method comprising:

verifying the operation of a first transceiver used to perform signal strength

measurements of signals transmitted by transceivers in the remote cell, wherein said verifying comprises:

receiving a signal on a first channel associated with the first base station with the first transceiver;

measuring the signal strength of the signal received on the first channel by the first transceiver;

determining whether the first transceiver is functional by comparing the signal strength measurements of the signal received by the first transceiver to signal strength measurements of corresponding signal received by a second transceiver at the first base station;

after verifying that the first transceiver is operational, receiving signals on a second channel associated with a second base station in the remote cell with the first transceiver;

measuring the signal strength of the signals received by the first transceiver on the second channel; and

determining the interference based on the signal strength of the signals received on the second channel.

2. (Original) The method of claim 1 wherein the first channel is a control channel associated with the first base station.

3. (Original) The method of claim 2 wherein receiving a signal on a channel associated with the first base station comprises receiving an access request on an access channel.

4. (Original) The method of claim 1 wherein receiving signals on second channel associated with a second base station comprises receiving access requests on an access channel associated with the second base station.

5. (Original) The method of claim 1 further comprising taking a predetermined action if the signal strength measurement of the signal received by the first transceiver does not match the signal strength measurement of the corresponding signal received by a second transceiver within predetermined limits .

6. (Original) A method of determining interference at a first base station located in a first cell from transceivers operating in a remote cell, said method comprising:

verifying the operation of a first transceiver used to perform signal strength

measurements of signals transmitted by transceivers in the remote cell, wherein

said verifying comprises:

listening for an access request on an access channel associated with the first

base station with first and second transceivers located at the first base station;

generating an alarm if the second transceiver receives an access request that was not received by first transceiver;

after verifying that the first transceiver is operational, receiving signals on a second channel associated with a remote base station in a remote cell with the first transceiver;

measuring the signal strength of the signals received by the first transceiver on the second channel; and

determining the interference based on the signal strength of the signals received on the second channel.

7. (Original) The method of claim 6 wherein listening for an access request on an access channel associated with the first base station with first and second transceivers located at the first base station comprises listening for a predetermined period of time.

8. (Original) The method of claim 7 further comprising sending a notification if no access request is received during the predetermined time period by either the first or second transceivers.

9. (Original) The method of claim 6 wherein receiving signals on second channel associated with a second base station comprises receiving access requests on an access channel associated with the second base station.

10. (Original) A method of determining interference at a first base station located in a first cell from transceivers operating in a remote cell, said method comprising:

verifying the operation of a first transceiver used to perform signal strength

measurements of signals transmitted by transceivers in the remote cell, wherein

said verifying comprises:

listening for an access request on a first access channel associated with the first

base station with first and second transceivers located at the first base station;

if an access request is received by said first transceiver, measuring the signal

strength of the access request received on the first access channel by the

first and second transceivers, and comparing the signal strength

measurement of the access request received by the first transceiver to the

signal strength measurement of the access request received by the

second transceiver;

generating an alarm if the signal strength measurement of the access request

received by the first transceiver does not match the signal strength

measurement of the access request received by the second transceiver,

or the second transceiver receives an access request that was not

received by first transceiver;

after verifying that the first transceiver is operational, receiving access requests on a

second access channel associated with a second base station in the remote cell

with the first transceiver;

measuring the signal strength of the access requests received by the first transceiver on

the second access channel; and

determining the interference based on the signal strength of the access received on the second channel by the first transceiver.

11. (Original) The method of claim 10 wherein listening for an access request on an access channel associated with the first base station with first and second transceivers located at the first base station comprises listening for a predetermined period of time.

12. (Original) The method of claim 11 further comprising sending a notification if no access request is received during the predetermined time period by either the first or second transceivers.

13-30. (Cancelled).